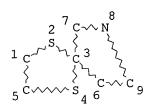
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SE	ARCH REQ	UEST FO	RM	
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Name: DONNA W	ORTMAN	Serial Number: _	09/909062	
Date: /0/28/02	Phone: 308-	-1032	Art Unit:	
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(FILE 'HOME' ENTERED AT 15:17:36 ON 29 OCT 2002)

L1 L2 L3 L4	FILE 'REGISTRY' ENTERED AT 15:17:47 ON 29 OCT 2002 1 S 149885-80-3/RN STR 14 S L2 229 S L2 FULL
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L8	FILE 'HCAPLUS' ENTERED AT 15:51:41 ON 29 OCT 2002 1 S L7 / Cit in CA Plus - attached

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This is the str. fragment & used to search

NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

229 SEA FILE=REGISTRY SSS FUL L2 229 hile for fragment
9 SEA FILE=REGISTRY ABB=ON L4 AND O>10 9 hits for Oxygen >10
3 SEA FILE=REGISTRY ABB=ON L5 AND NR=2 3 ... rings limited to 2 L5L6

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L8 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS

DOCUMENT NUMBER:

ACCESSION NUMBER: 2002:90074 HCAPLUS

136:151440

TITLE:

Preparation of novel peptides as NS3-serine protease

inhibitors of hepatitis C virus

INVENTOR(S):

Saksena, Anil K.; Girijavallabhan, Viyyoor Moopil; Lovey, Raymond G.; Jao, Edwin E.; Bennett, Frank; McCormick, Jinping; Wang, Haiyan; Pike, Russell E.; Bogen, Stephane L.; Liu, Yi-Tsung; Arasappan, Ashok; Parekh, Tejal; Pinto, Patrick A.; Njoroge, F. George; Ganguly, Ashit K.; Brunck, Terence K.; Kemp, Scott Jeffrey; Levy, Odile Esther; Lim-Wilby, Marguerita

PATENT ASSIGNEE(S):

SOURCE:

Schering Corporation, USA; Corvas International, Inc. PCT Int. Appl., 197 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	PATENT NO.					KIND DATE			APPLICATION NO WO 2001-US22826									
WO	WO 2002008256			A2 20020131														
	w:	ΑE,	AG,	ΑL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
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		MG,	MK,	MN,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,	RU,	SE,	SG,	SI,	SK,	SL.	
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		DE,	DK,	ES,	FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	TR.	BF.	
		ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD.	TG	,	
PRIORITY APPLN. INFO.:													2000					
OTHER SOURCE(S):																		

I

AΒ Novel peptides I [Z = O, NH or substituted imino; X = (un)substitutedalkylsulfonyl, heterocyclylsulfonyl, heterocyclylalkylsulfonyl, arylsulfonyl, heteroarylsulfonyl, alkylcarbonyl, heterocyclylcarbonyl, heterocyclylalkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, alkoxycarbonyl, heterocyclyloxycarbonyl, aryloxycarbonyl, heteroaryloxycarbonyl, alkyaminocarbonyl, heterocyclylaminocarbonyl, arylaminocarbonyl, or heteroarylaminocarbonyl; X1 = H, alkyl, arylmethyl; Pla, Plb, P2-P6 = H, (un) substituted alkyl, alkenyl, cycloalkyl, heterocyclyl, cycloalkylalkyl, heterocyclylalkyl, aryl, heteroaryl, arylalkyl, or heteroarylalkyl; Pla and Plb may optionally be joined to each other to form a spirocyclic or spiroheterocyclic ring contg. 0-6 oxygen, nitrogen, sulfur, or phosphorus atoms; P1' = H, (un) substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl, or heteroarylalkyl] having HCV protease inhibitory activity are disclosed. Thus, peptide II was prepd. via peptide coupling in soln. and showed Ki = 1-100 nM for inhibition of HCV protease.

IT 393520-91-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of novel peptides as NS3-serine protease inhibitors of hepatitis C virus)

RN 393520-91-7 HCAPLUS

CN 1,4-Dithia-7-azaspiro[4.4]nonane-8-carboxamide, N-acetyl-L-.alpha.-glutamyl-L-.alpha.-glutamyl-L-valyl-N-[1-[oxo(2-propenylamino)acetyl]butyl]-, (8S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.